

**Notice of Allowability**

Application No.

09/751,016

Examiner

Longbit Chai

Applicant(s)

FEUERSTEIN ET AL.

Art Unit

2131

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to interview on 2/27/2006.
2. ☒ The allowed claim(s) is/are 25-29, 32, 37-41, 44, 45, 48-52, 55, 57-65 and 68-70.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 2/27/2006.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

  
AYAZ SHEIKH

SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100

### **DETAILED ACTION**

Claims 1 – 75 have been presented for examination. Claims 8, 9, 30, 31, 33 – 36, 42, 43, 66, 67 and 71 – 75 have been cancelled and claims 1, 15, 20, 25, 32, 37, 44, 61 and 68 have been amended in an amendment filed 1/30/2006.

#### ***Examiner's Amendment***

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Dave A. Morasch (Reg. No. 42,905) on 2/27/2006.

This application has been amended as follows:

#### **IN THE CLAIMS**

Cancel claims 1 – 7, 10 – 24, 46, 47, 53, 54 and 56 without prejudice.

Replace claims 37, 45, 58 and 61 as follows.

Claim 37: One or more computer readable media containing a security application, comprising:

a security component that is registerable with an Internet server during run-time,  
the security component having:

a validation component to determine whether a request for a resource poses a security risk by determining if a total number of characters defining all of the arguments of the request exceeds a maximum number of characters; and

an integrity verification component to determine whether the resource poses a security risk, the integrity verification component further configured to:

formulate a descriptor corresponding to the resource when the security application receives the request;

compare the formulated descriptor with a cached descriptor, the cached descriptor corresponding to the resource and formulated when the resource is initially requested;

if the formulated descriptor and the cached descriptor are not equivalent, formulate a second descriptor corresponding to an original resource remotely located, the resource being replicated from the original resource;

compare the formulated descriptor with the second descriptor; and

determine that the resource is not a security risk if the formulated descriptor and the second descriptor are equivalent.

Claim 45: A method, comprising:

registering a security component with an Internet server during run-time;

receiving a request for a replica resource stored on a computing device, the request designating a resource locator having a resource path identifying a location of the replica resource, the request further designating the resource locator having a plurality of arguments;

implementing security policies to prevent unauthorized access to the replica resource;

determining whether the request will pose a security risk if allowing the request, and allowing the request if said determining that the replica resource does not pose a security risk to the computing device;

redirecting the request to indicate that the replica resource is not available if determining that the request poses a security risk to the computing device;

determining that the request does not pose a security risk if individual arguments do not exceed a maximum number of characters, and if a total number of characters defining all of the arguments do not exceed a maximum number of characters;

formulating a descriptor corresponding to the replica resource;

comparing the formulated descriptor with a cached descriptor corresponding to an original resource stored on a second computing device remotely located from the computing device, the replica resource being replicated from the original resource;

determining that the replica resource does not pose a security risk if the formulated descriptor and the cached descriptor are equivalent;

if the formulated descriptor and the cached descriptor are not equivalent,  
formulating a second descriptor corresponding to the original resource;  
comparing the formulated descriptor with the second descriptor; and  
determining that the replica resource does not pose a security risk if the  
formulated descriptor and the second descriptor are equivalent.

Claim 58: A method as recited in claim 45, wherein:

the request further designates the resource locator having ~~[[a]]~~ the resource path  
that has ~~and one or more arguments, the resource path identifying a location of the~~  
~~replica resource and the resource path having a resource identifier;~~

the method further comprising determining that the request does not pose a  
security risk if:

the resource path does not exceed a maximum number of characters;  
individual arguments do not exceed a maximum number of characters;  
a total number of characters defining all of the arguments do not exceed a  
maximum number of characters; and  
the resource identifier has a valid file extension.

Claim 61: A method, comprising:

registering a security component with an Internet server during run-time;

receiving a request for a resource;

implementing security policies to prevent unauthorized access to the resource;

determining whether the request will pose a security risk by determining if a total number of characters defining all of the arguments of the request exceeds a maximum number of characters; and

determining whether the resource will pose a security risk if allowing the request;

formulating a descriptor corresponding to the resource;

comparing the formulated descriptor with a cached descriptor corresponding to the resource and formulated when the resource is initially requested;

determining that the resource does not pose a security risk if the formulated descriptor and the cached descriptor are equivalent;

if the formulated descriptor and the cached descriptor are not equivalent,

formulating a second descriptor corresponding to an original resource remotely located, the resource replicated from the original source;

comparing the formulated descriptor with the second descriptor; and

determining that the resource does not pose a security risk if the formulated descriptor and the second descriptor are equivalent.

***Allowable Subject Matter***

1. Claims 25 – 29, 32, 37 – 41, 44 – 45, 48 – 52, 55, 57 – 65 and 68 – 70 are allowed.

2. The following is an examiner's statement of reasons for allowance:

The above mentioned claims are allowable over prior arts because the CPA (Cited Prior Art) of record fails to teach or render obvious the claimed limitations in combination with the specific added limitations, as recited in independent claim 25 and subsequent dependent claims.

The prior arts Farber, alone or in combination with Malcolm, fail to teach or suggest a network server, comprising: an Internet server to receive a request for a resource maintained on the network server and, in response to the request, implement security policies to prevent unauthorized access to the resource; a security component that is registerable with the Internet server during run-time, the security component having: a validation component to determine whether the request will pose a security risk to the network server by determining if a total number of characters defining all of the arguments of the request exceeds a maximum number of characters; and an integrity verification component to: determine whether the resource will pose a security risk to the network server upon receipt of the request; formulate a descriptor corresponding to the resource; compare the formulated descriptor with a cached descriptor, the cached descriptor corresponding to the resource and formulated when the resource is initially requested; determine that the resource is not a security risk if the

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formulated descriptor and the cached descriptor are equivalent; if the formulated descriptor and the cached descriptor are not equivalent, formulate a second descriptor corresponding to an original resource maintained on a file server remotely located from the network server, the resource being replicated from the original resource; compare the formulated descriptor with the second descriptor; and determine that the resource is not a security risk if the formulated descriptor and the second descriptor are equivalent.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."




Any inquiry concerning this communication or earlier communications from the examiner should be directed to Longbit Chai whose telephone number is 571-272-3788. The examiner can normally be reached on Monday-Friday 8:00am-4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz R Sheikh can be reached on 571-272-3795. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
LBC

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